

ABSTRACT

A rolling bearing lubricated with a grease includes an outer ring, an inner ring, a plurality of rolling elements disposed between respective rolling raceway tracks of the outer ring and the inner ring, and a retainer having a plurality of pockets for locking the rolling elements to freely roll and formed of resin material. In the rolling bearing, the radial clearance gap ratio of the pockets of the retainer is set to $0 \leq \delta_r / Da \leq 0.09$, and the axial clearance gap ratio of the pockets is set to $0 \leq \delta_a / Da \leq 0.06$ when the kinematic viscosity of base oil at 40°C of the grease is 10 to 40 mm²/sec, being set to $0 \leq \delta_a / Da \leq 0.05$ when the kinematic viscosity of base oil is 10 to 90 mm²/sec, being set to $0 \leq \delta_a / Da \leq 0.025$ when the kinematic viscosity of base oil is 10 to 160 mm²/sec.